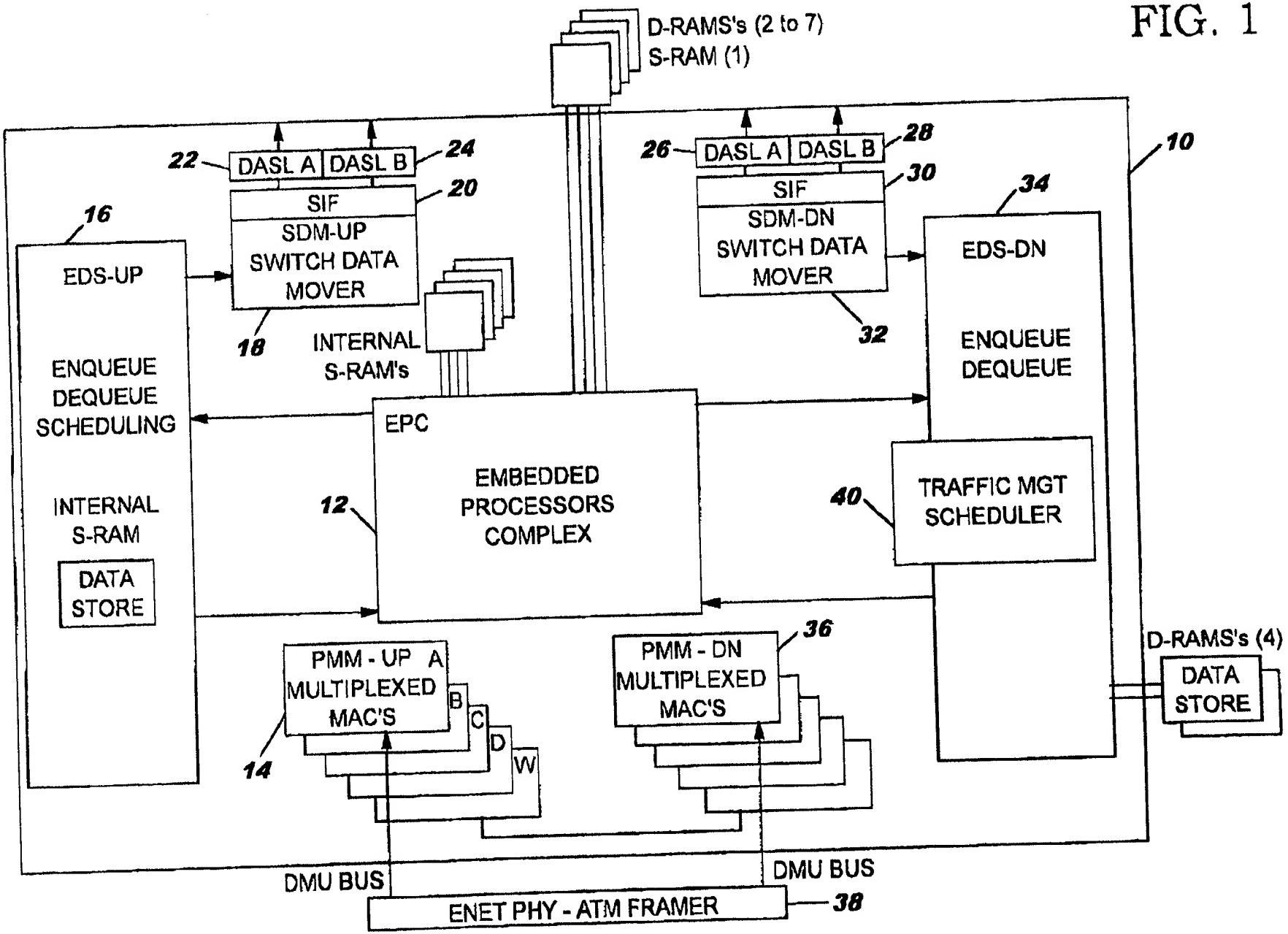
T02740 T4746850

FIG. 1



PCT/US00/14888

FIG. 2

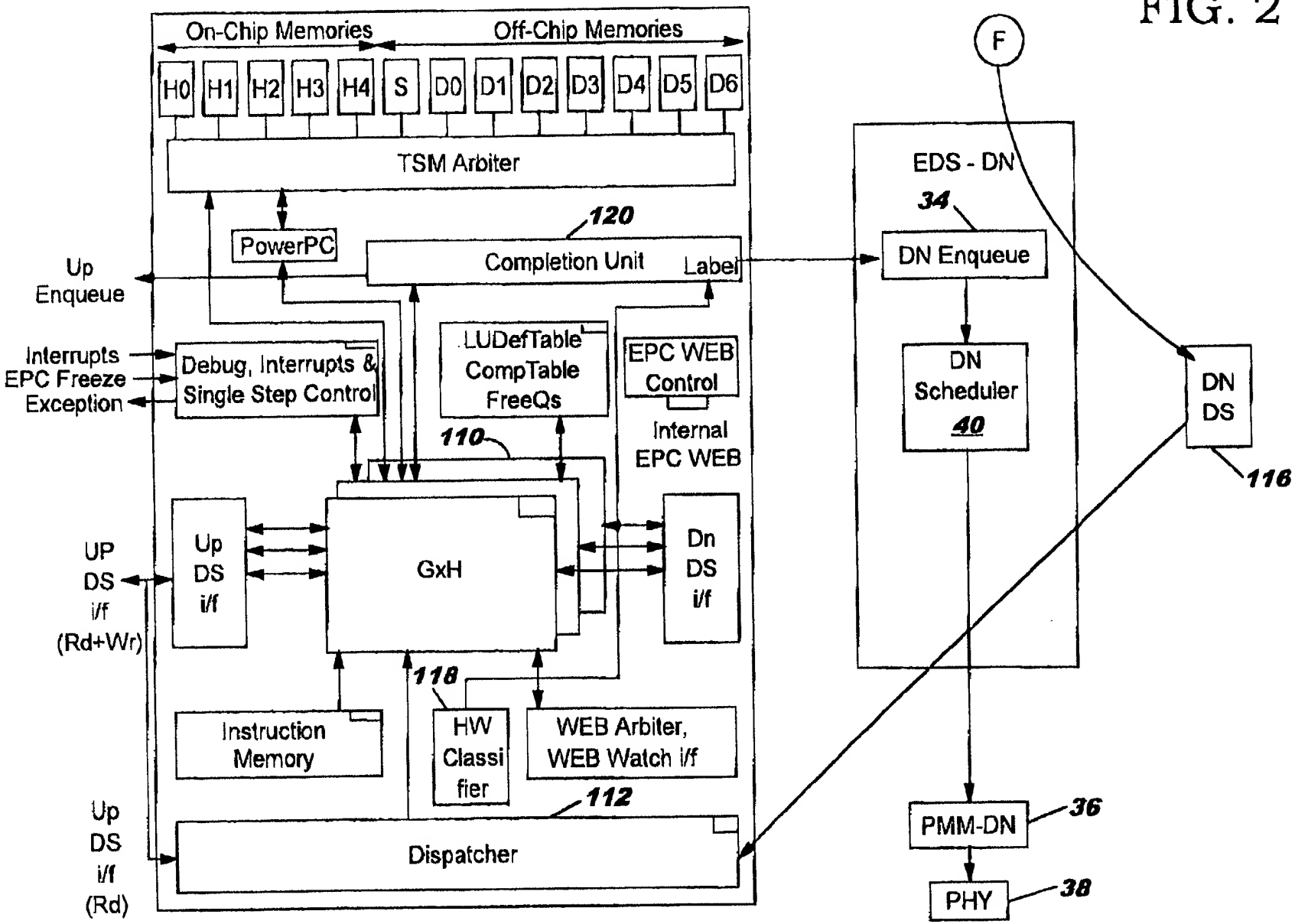
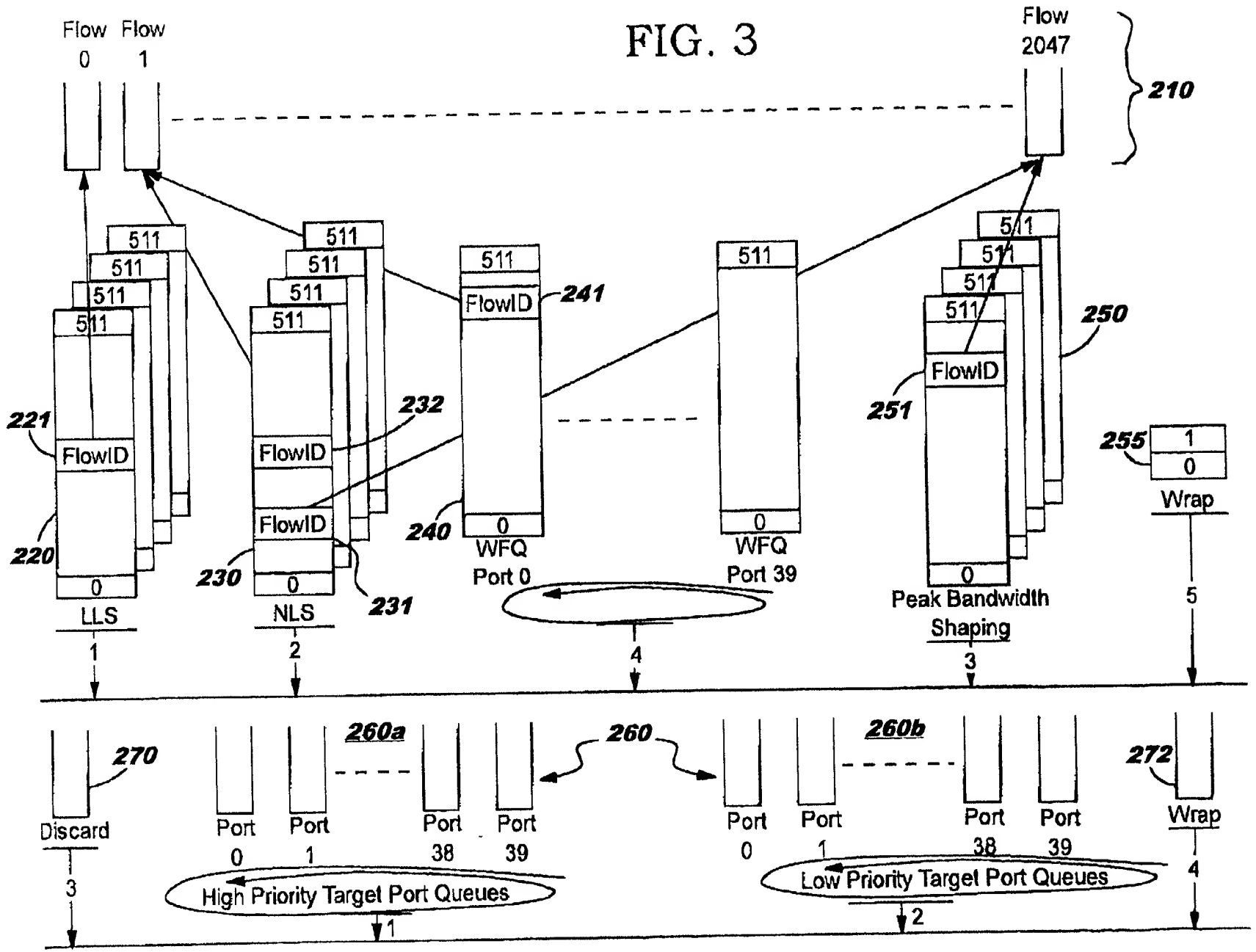


FIG. 3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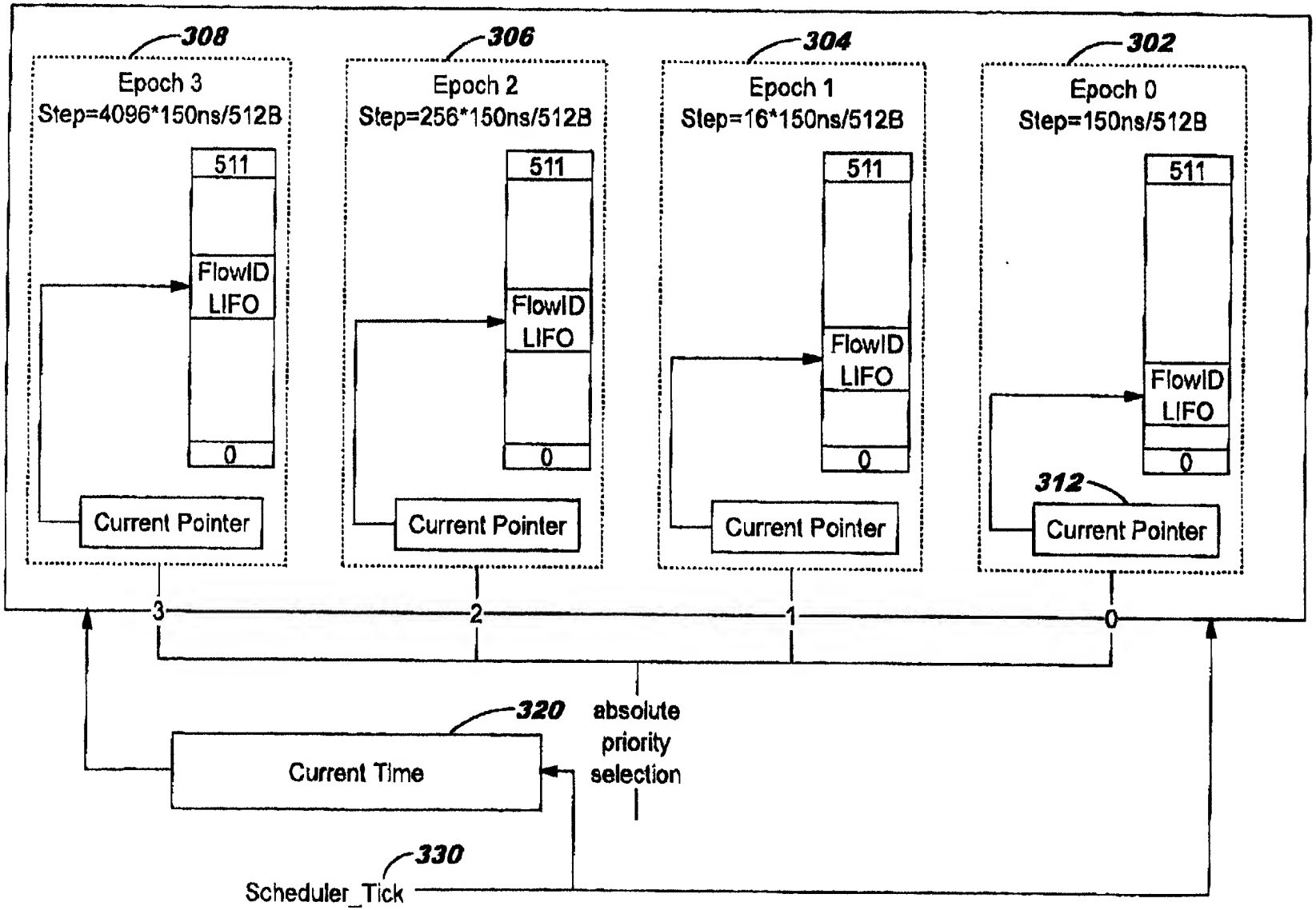
Flow 1
Flow 2047
210
511
FlowID
241
232
221
220
230
231
240
250
251
255
1
0
Wrap
LLS
NLS
WFQ Port 0
WFQ Port 39
Peak Bandwidth Shaping
1
2
3
4
5
270
Discard
260a
260
260b
272
Port 0
Port 1
Port 38
Port 39
High Priority Target Port Queues
Low Priority Target Port Queues

Patent Pending

FIG. 4



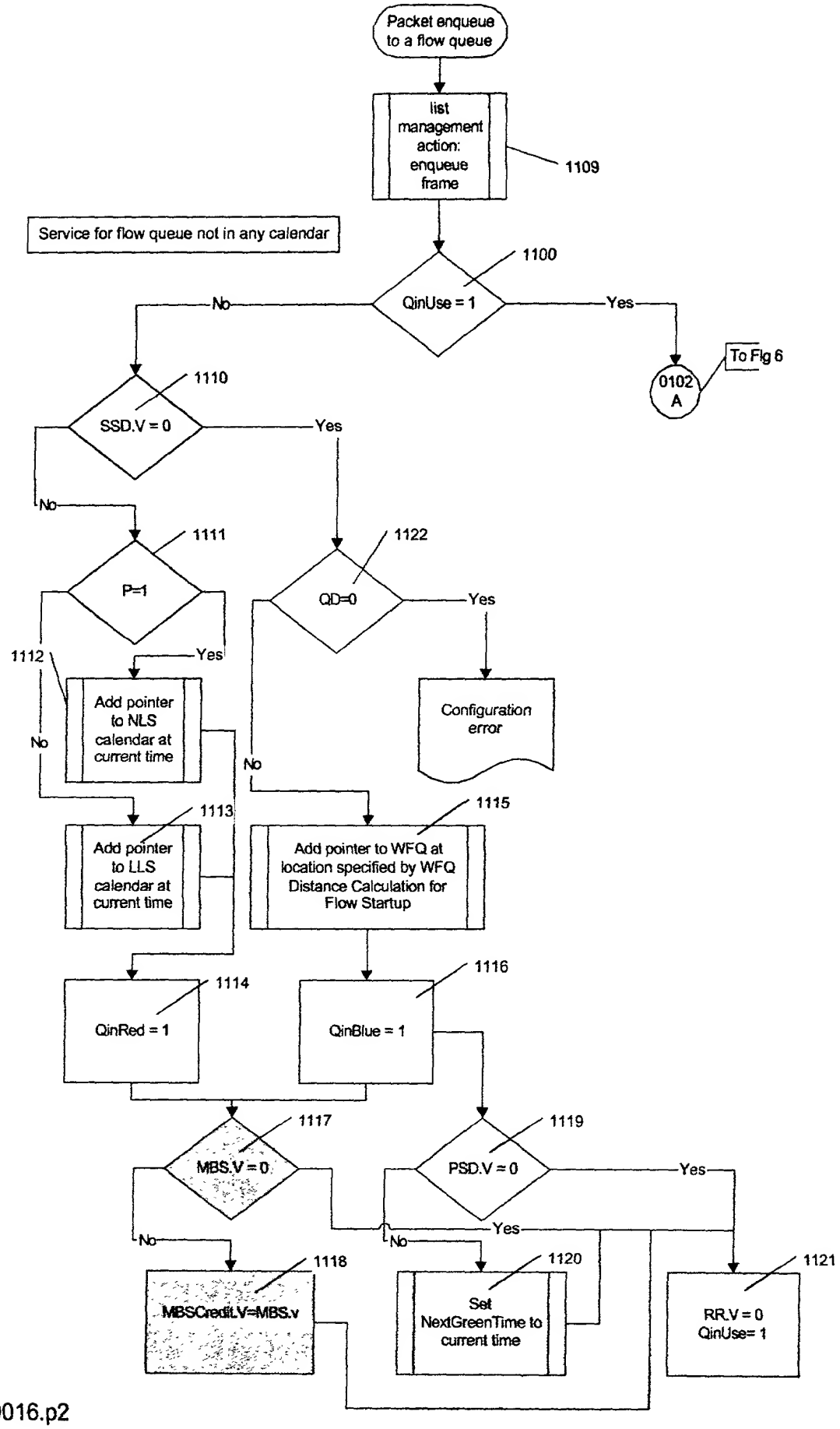


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Fig 5

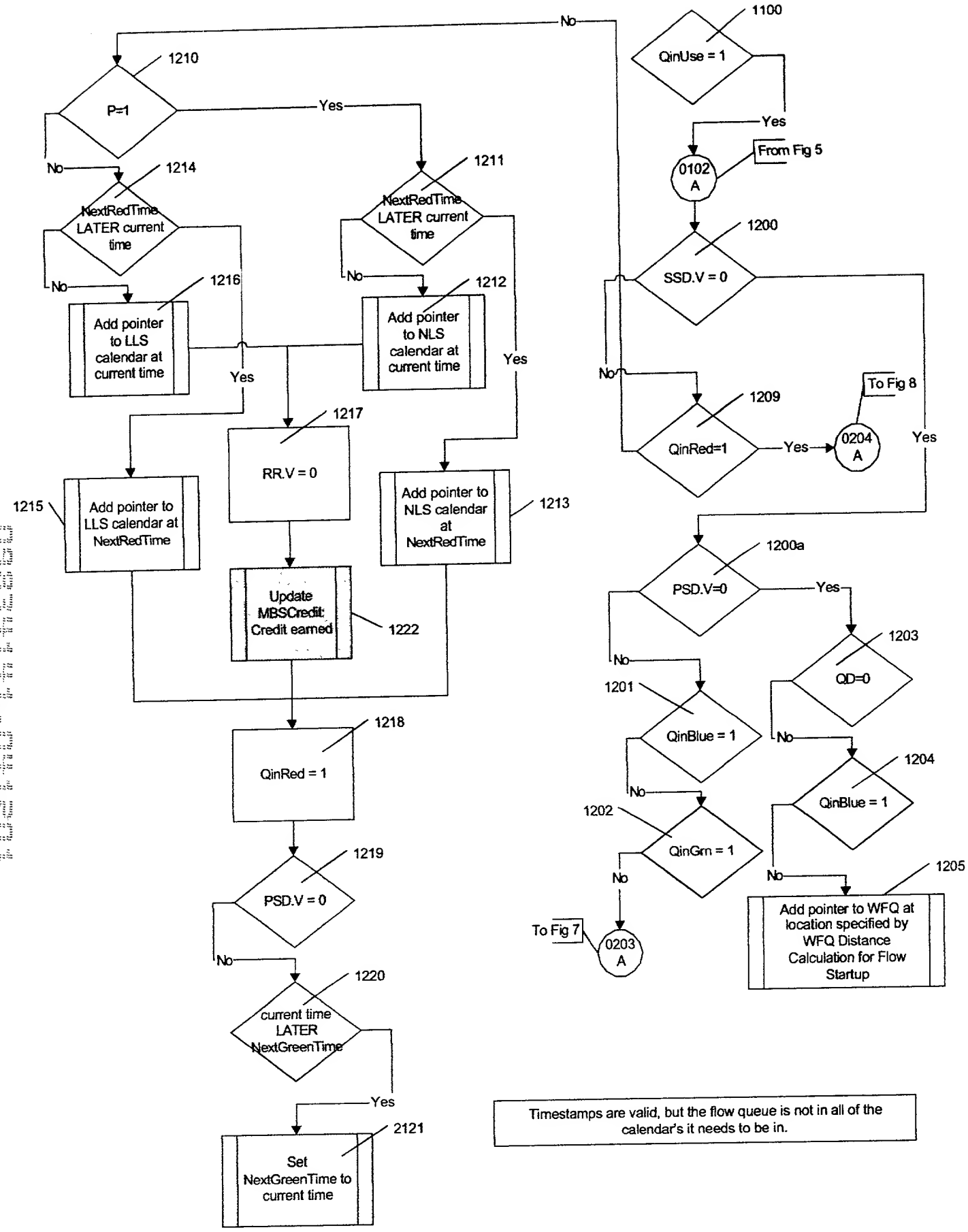

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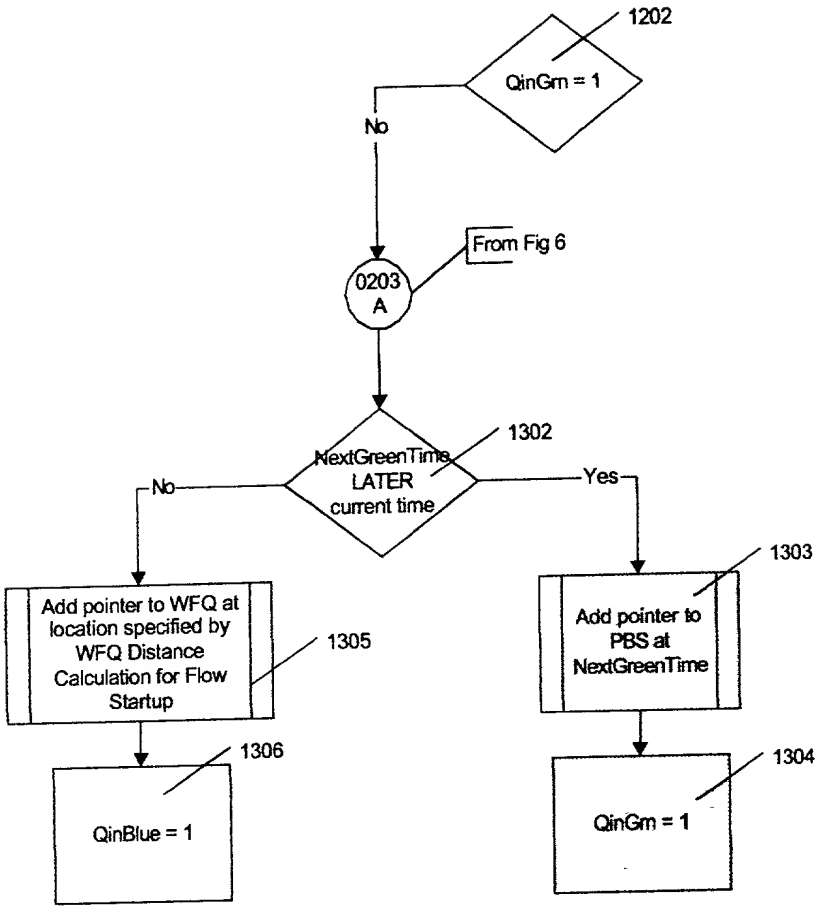
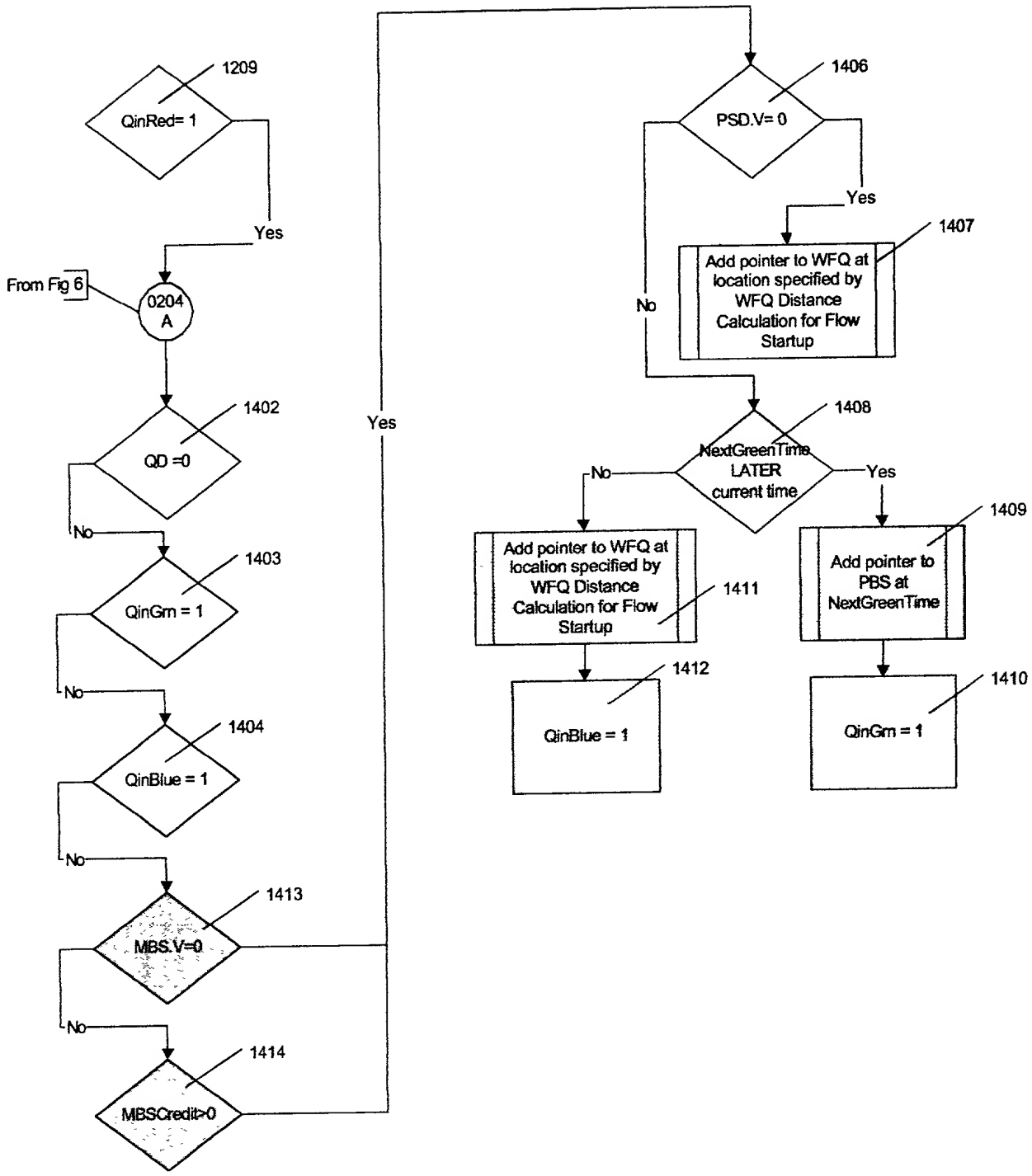
Fig. 6



Peak component is not in calendar, there is no minimum bandwidth component

Fig. 7



Peak is not in calendar; minimum bandwidth component is in calendar.

Note that NextGreenTime stamp is examined to determine attachment to either WFQ or PBS

If MBS is specified, the MBSCredit is examined and if postive, adding the flow queue to either the WFQ or the PBS is permitted.

Fig. 8

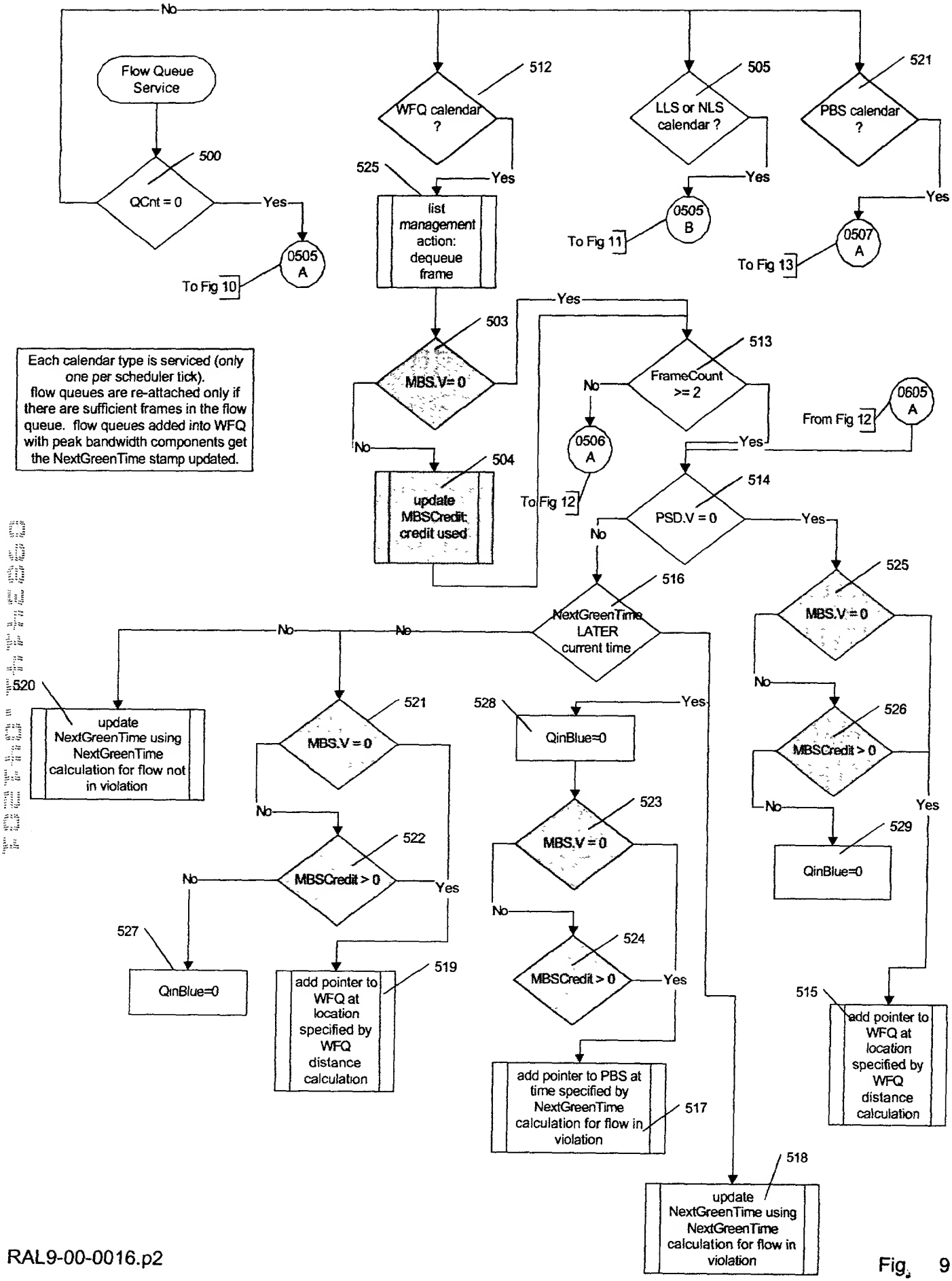


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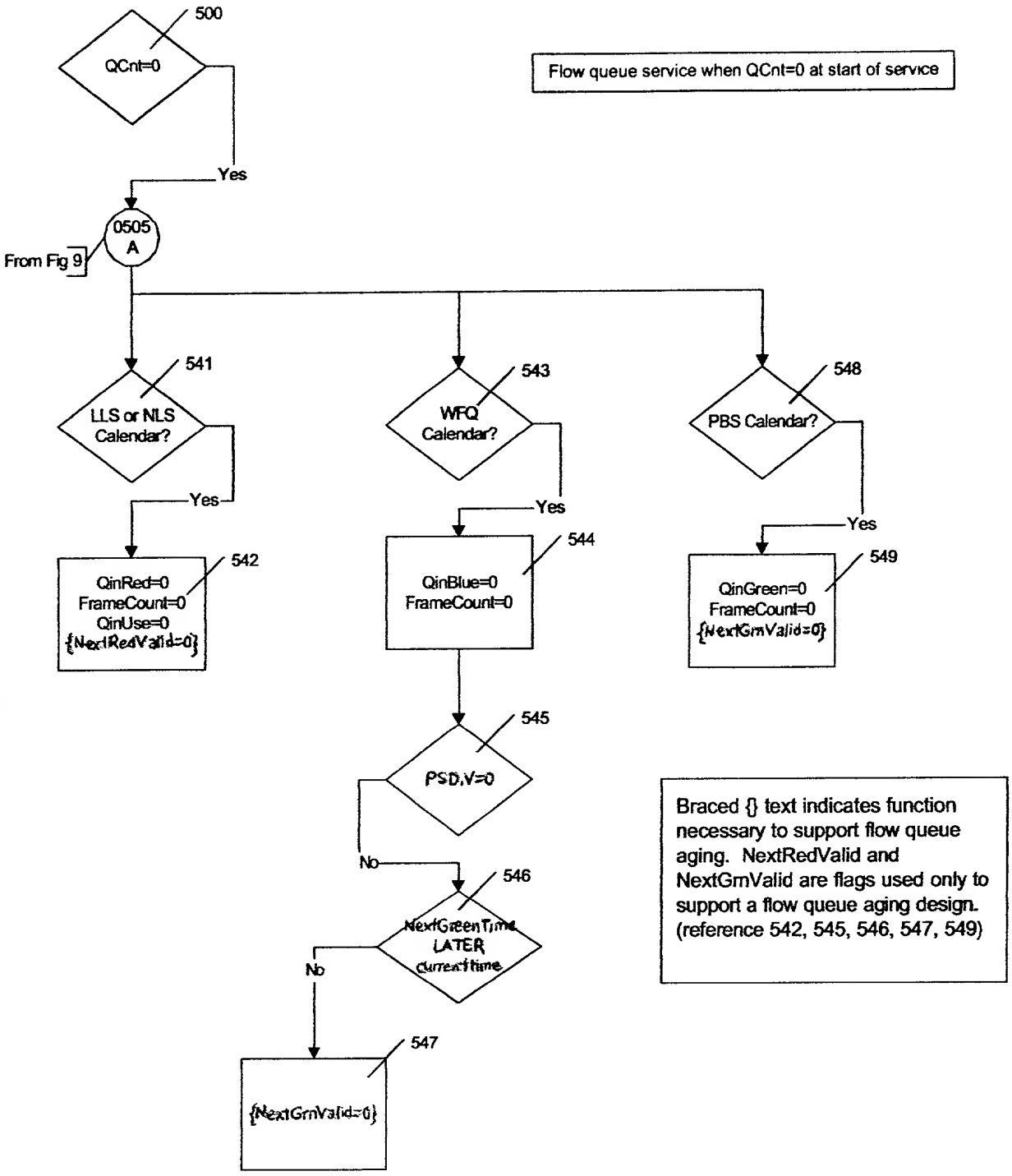
Fig. 9



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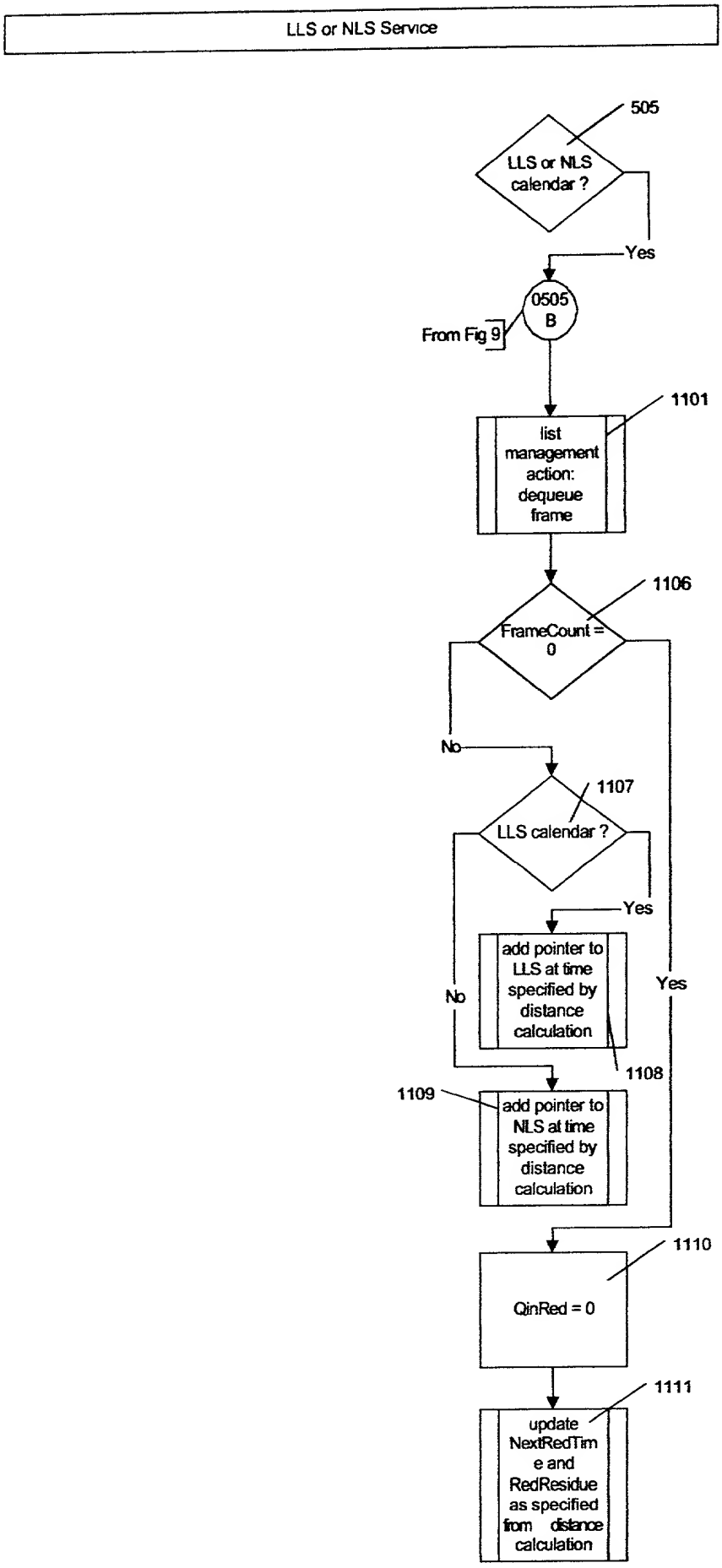

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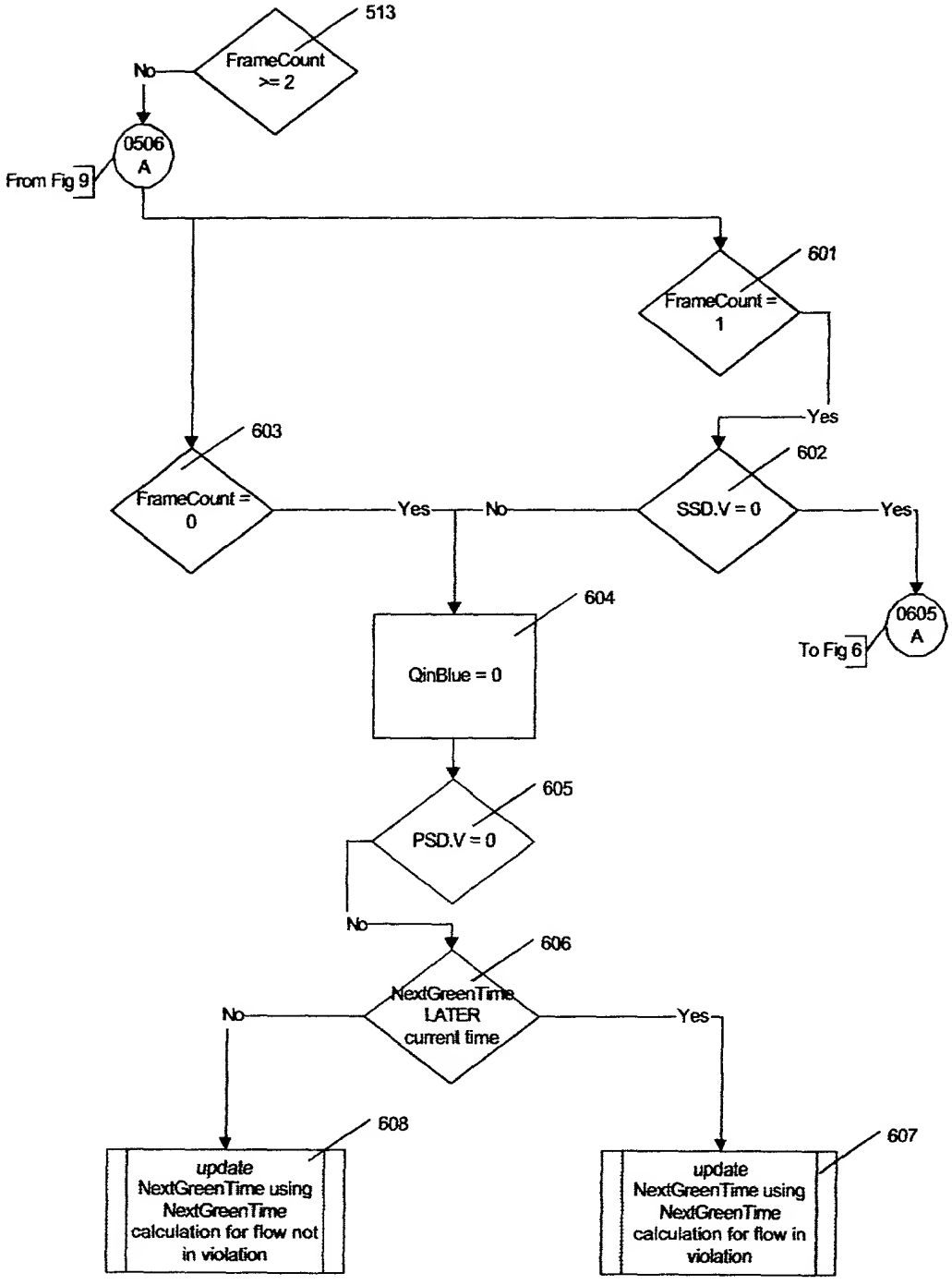
Fig. 11

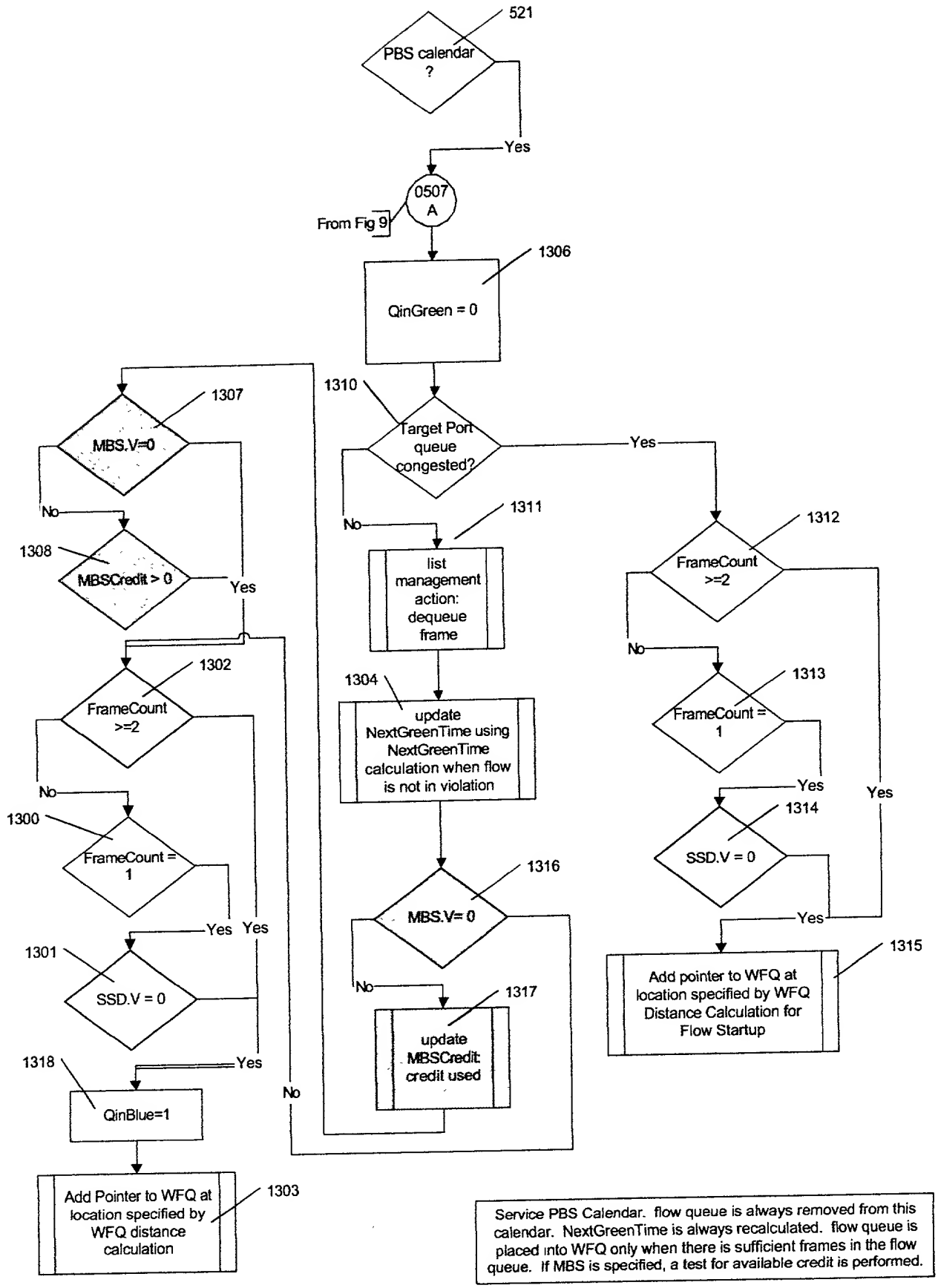
WFQ Caldendar

When there is an assured bandwidth component, the flow queue is removed from the WFQ allowing the last frame to be serviced from the NLS/LSS calendar.

If there is a peak bandwidth component, the NextGreenTime stamp is updated.



Best Available Copy



BEST AVAILABLE COPY

Fig 13